

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A display, comprising:
organic EL elements that are arranged in a matrix;
current drive circuits and scan circuits for causing drive currents to flow to said organic
EL elements,
wherein the current drive circuit comprises~~A current drive circuit comprising:~~
a current mirror circuit;
a current source for applying reference current input to said current mirror circuit;
a switch means to which output current of said current mirror circuit is applied; and
a cascode circuit for supplying the output current of said switch means as a drive current.
2. (original): A current drive circuit comprising:
a bias generator that includes:
a first transistor in which a gate terminal and a drain terminal are connected together;
a second transistor in which a source terminal is connected to said drain terminal of said
first transistor and a gate terminal and a drain terminal are connected together; and
a current supply that causes a reference current to flow to said second transistor; and
a current output unit that includes:

a third transistor in which a gate terminal is connected to said gate terminal of said first transistor;

a fourth transistor in which a gate terminal is connected to said gate terminal of said second transistor; and

a switch means that is provided between a drain terminal of said third transistor and a source terminal of said fourth transistor.

3. (original): A current drive circuit according to claim 2, further comprising:
a plurality of said current output units; and
a plurality of terminals that are connected to each of drain terminals of said fourth transistors of said plurality of said current output units.

4. (original): A current drive circuit according to claim 3, wherein each of said plurality of said current output units supplies as output a current that has been weighted.

5. (original): A current drive circuit comprising:
a plurality of current drive circuits according to claim 2; and
a terminal that is connected to drain terminals of each of said fourth transistors of said plurality of said current drive circuits.

6. (original): A current drive circuit according to claim 5, wherein each of said plurality of said current drive circuits supplies as output a current that has been weighted.

7. (original): A current drive circuit according to claim 1, wherein said switch means is turned ON and OFF by a control signal.

8. (original): A current drive circuit according to claim 2, wherein said switch means is turned ON and OFF by a control signal.

9. (original): A current drive circuit according to claim 7, wherein said control signal is a graduation data signal of a display.

10. (original): A current drive circuit according to claim 8, wherein said control signal is a graduation data signal of a display.

11. (original): A current drive circuit according to claim 1, wherein said switch means is a MOS transistor.

12. (original): A current drive circuit according to claim 2, wherein said switch means is a MOS transistor.

13. (original): A current drive circuit according to claim 3, wherein said switch means is a switch group that includes a plurality of switch means, and said switch group decodes graduation data signals of a display.

14. (original): A current drive circuit according to claim 5, wherein said switch means is a switch group that includes a plurality of switch means, and said switch group decodes graduation data signals of a display.

15. (original): A current drive circuit according to claim 13, comprising a switch means that is connected to a source terminal of said third transistor.

16. (original): A current drive circuit according to claim 14, comprising a switch means that is connected to a source terminal of said third transistor.

17. (original): A current drive circuit according to claim 15, comprising a switch means that is connected to a source terminal of said first transistor and that is always in an ON state.

18. (original): A current drive circuit according to claim 16, comprising a switch means that is connected to a source terminal of said first transistor and that is always in an ON state.

19. (currently amended): A display, comprising:
organic EL elements that are arranged in a matrix;
current drive circuits and scan circuits for causing drive currents to flow to said organic EL elements; and

signal processing circuits for receiving image data signals as input, supplying graduation data signals to said current drive circuits, and supplying scan control signals to said scan circuits; and

wherein said display is provided with ~~the a~~ current drive circuit of claim 1 as said current drive circuit, comprising:

a current mirror circuit;

a current source for applying reference current input to said current mirror circuit;

a switch means to which output current of said current mirror circuit is applied; and

a cascode circuit for supplying the output current of said switch means as a drive current.

20. (original): A display, comprising:

organic EL elements that are arranged in a matrix;

current drive circuits and scan circuits for causing drive currents to flow to said organic EL elements; and

signal processing circuits for receiving image data signals as input, supplying graduation data signals to said current drive circuits, and supplying scan control signals to said scan circuits; and

wherein said display is provided with the current drive circuit of claim 2 as said current drive circuit.